

## ***Associate Insect Biosystematist***

### ***Knowledge, Skill, Ability, and Personal Characteristic Statements Rating Results***

K01	Knowledge of the taxonomy and systematic of a prescribed group of insects, other arthropods or mollusks including those that are plant pests.
K02	Knowledge general principles and specialized and complex specific procedures and techniques used in identifying a prescribed group of insects, other arthropods or mollusks.
K03	Knowledge of current research literature and trends applicable to the research and diagnostics areas.
K04	Knowledge of the relationships of plants, and plant pests, and other insects to agriculture and the environment.
K05	Knowledge of general principles and specialized and complex specific procedures and techniques used in curating a prescribed group of insects, other arthropods or mollusks.
K06	Knowledge of general principles of developing research projects in systematic, including use of the scientific method of developing and testing hypotheses, understanding previous literature, and understanding how to approach problems in research.
K07	Knowledge of determination and qualification of variables, and mechanization of data compilation and analysis of data.
K08	Knowledge of the related provisions of the California Food and Agricultural Code and rules and regulations pertaining to plant quarantines.
K09	Knowledge of computer software programs (e.g., Word, Excel, PowerPoint, Outlook, etc.) for data entry, compiling data, writing reports, and general correspondence.
K10	Knowledge of research and diagnostic equipment for morphological and molecular based diagnostics including microscopy, differential staining, molecular methods, electron-microscopy, imaging, etc.
S01	Skill in a high degree of specialization in systematic and taxonomy of a prescribed group of insects, other arthropods or mollusks.
S02	Skill to establish and maintain cooperative working relationships with those contacted during the course of work.
S03	Skill to operate a personal computer and software (e.g., Word, Excel, PowerPoint, and Outlook) and/or other computerized equipment in order to perform daily duties.
S04	Skill to operate laboratory equipment including microscopes, PCR, imaging systems, etc.
A01	Ability to demonstrate professional competence as a specialist in foreign and domestic members of a prescribed group of insects, other arthropods or mollusks.
A02	Ability to conduct independent highly specialized research and analysis in systematic and taxonomy following the scientific method of developing and testing hypotheses, documentation of research results, and publication in scientific journals.
A03	Ability to provide expert scientific consultation to internal and external clients on issues related to pest insects in area of specialization.
A04	Ability to train technicians and other personnel in associated tasks and principles
A05	Ability to communicate effectively orally and in writing information, and direction in a clear, courteous, professional manner using appropriate tone, vocabulary, and grammar

	with department staff, the public, and other agencies.
A06	Ability to follow and give directions orally and in writing to accomplish day to day activities and ensure a safe and secure working environment.
A07	Ability to work independently using sound judgment in handling daily activities with minimal supervision or detailed instructions.
A08	Ability to analyze situations and take or recommend appropriate action.
A09	Ability to work productively as a member of a team to achieve work goals, and ensure a safe and secure work environment.
A10	Ability to work efficiently in order to complete assigned tasks within reasonable or specified time periods.
A11	Ability to use a personal computer to input data, access information, and/or create materials and documents using a variety of software applications.
A12	Ability to be flexible in adapting to changes in priorities, work demands, and other interruptions, which may impact pre-established timelines and courses of action for completing projects and/or assignments.
A13	Ability to keep accurate and legible records per Standard Operating Procedures.
SPC1	Willing to work in a laboratory
SPC2	Willing to adhere to safety policies and provisions such as wearing protective clothing or gear, protective eye wear, gloves etc
SPC3	Willing to work irregular hours including nights and weekends if needed.